\_\_\_\_\_\_

Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2008; month=7; day=10; hr=16; min=7; sec=19; ms=215; ]

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\*\*\*\*\*\*\*\*\*\*\*\*

Reviewer Comments:

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<212> PRT

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<400> 52

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Per the above, sequence id# 52 and 53 is invalid, no amino acid codings appear. Please also insert mandatory responses for numeric identifier <211> for both sequences. Please check the remaining sequences for similar errors.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

## Validated By CRFValidator v 1.0.3

Application No: 10573944 Version No: 1.0

Input Set:

Output Set:

**Started:** 2008-06-05 16:42:23.903

Finished: 2008-06-05 16:42:25.480

**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 577 ms

Total Warnings: 0

Total Errors: 2

No. of SeqIDs Defined: 97

Actual SeqID Count: 97

Erro	or code	Error Description										
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Asn Thr Leu Phe Gly Tyr Ser Val Val Leu His Ser His Gly Ala Asn 50 55 60
Arg Trp Leu Leu Val Gly Ala Pro Thr Ala Asn Trp Leu Ala Asn Ala 65 70 75 80
Ser Val Ile Asn Pro Gly Ala Ile Tyr Arg Cys Arg Ile Gly Lys Asn 85 90 95
Pro Gly Gln Thr Cys Glu Gln Leu Gln Leu Gly Ser Pro Asn Gly Glu 100 105 110
Pro Cys Gly Lys Thr Cys Leu Glu Glu Arg Asp Asn Gln Trp Leu Gly 115 120 125

Val Thr Leu Ser Arg Gln Pro Gly Glu Asn Gly Ser Ile Val Thr Cys 130 135 140

Gly His	Arg	Trp	Lys	Asn 150	Ile	Phe	Tyr	Ile	Lys 155	Asn	Glu	Asn	Lys	Leu 160
Pro Thr	Gly	Gly	Суз 165	Tyr	Gly	Val	Pro	Pro 170	Asp	Leu	Arg	Thr	Glu 175	Leu
Ser Lys	Arg	Ile 180	Ala	Pro	Cys	Tyr	Gln 185	Asp	Tyr	Val	Lys	Lys 190	Phe	Gly
Glu Asn	Phe 195	Ala	Ser	Суз	Gln	Ala 200	Gly	Ile	Ser	Ser	Phe 205	Tyr	Thr	Lys
Asp Leu 210	Ile	Val	Met	Gly	Ala 215	Pro	Gly	Ser	Ser	Tyr 220	Trp	Thr	Gly	Ser
Leu Phe 225	Val	Tyr	Asn	Ile 230	Thr	Thr	Asn	Lys	Tyr 235	Lys	Ala	Phe	Leu	Asp 240
Lys Gln	Asn	Gln	Val 245	Lys	Phe	Gly	Ser	Tyr 250	Leu	Gly	Tyr	Ser	Val 255	Gly
Ala Gly	His	Phe 260	Arg	Ser	Gln	His	Thr 265	Thr	Glu	Val	Val	Gly 270	Gly	Ala
Pro Gln	His 275	Glu	Gln	Ile	Gly	Lys 280	Ala	Tyr	Ile	Phe	Ser 285	Ile	Asp	Glu
Lys Glu 290	Leu	Asn	Ile	Leu	His 295	Glu	Met	Lys	Gly	Lys 300	Lys	Leu	Gly	Ser
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Ser Asp			325					330					335	
Gly Arg		340		_			345					350		
Ala Met	Glu 355	Thr	Asn	Leu	Val	Gly 360	Ser	Asp	Lys	Tyr	Ala 365	Ala	Arg	Phe

Gly	Glu 370	Ser	Ile	Val	Asn	Leu 375	Gly	Asp	Ile	Asp	Asn 380	Asp	Gly	Phe	Glu
Asp 385	Val	Ala	Ile	Gly	Ala 390	Pro	Gln	Glu	Asp	Asp 395	Leu	Gln	Gly	Ala	Ile 400
Tyr	Ile	Tyr	Asn	Gly 405	Arg	Ala	Asp	Gly	Ile 410	Ser	Ser	Thr	Phe	Ser 415	Gln
Arg	Ile	Glu	Gly 420	Leu	Gln	Ile	Ser	Lys 425	Ser	Leu	Ser	Met	Phe 430	Gly	Gln
Ser	Ile	Ser 435	Gly	Gln	Ile	Asp	Ala 440	Asp	Asn	Asn	Gly	Tyr 445	Val	Asp	Val
Ala	Val 450	Gly	Ala	Phe	Arg	Ser 455	Asp	Ser	Ala	Val	Leu 460	Leu	Arg	Thr	Arg
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Arg	Thr	Lys	Phe	Asp 485	Cys	Val	Glu	Asn	Gly 490	Trp	Pro	Ser	Val	Cys 495	Ile
Asp	Leu	Thr	Leu 500	Cys	Phe	Ser	Tyr	Lys 505	Gly	Lys	Glu	Val	Pro 510	Gly	Tyr
Ile	Val	Leu 515	Phe	Tyr	Asn	Met	Ser 520	Leu	Asp	Val	Asn	Arg 525	Lys	Ala	Glu
Ser	Pro 530	Pro	Arg	Phe	Tyr	Phe 535	Ser	Ser	Asn	Gly	Thr 540	Ser	Asp	Val	Ile
Thr 545	Gly	Ser	Ile	Gln	Val 550	Ser	Ser	Arg	Glu	Ala 555	Asn	Суз	Arg	Thr	His 560
Gln	Ala	Phe	Met	Arg 565	Lys	Asp	Val	Arg	Asp 570	Ile	Leu	Thr	Pro	Ile 575	Gln
Ile	Glu	Ala	Ala 580	Tyr	His	Leu	Gly	Pro 585	His	Val	Ile	Ser	Lys 590	Arg	Ser

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Leu	Met	Leu	Asn 660	Val	Ser	Leu	Phe	Asn 665	Ala	Gly	Asp	Asp	Ala 670	Tyr	Glu
Thr	Thr	Leu 675	His	Val	Lys	Leu	Pro 680	Val	Gly	Leu	Tyr	Phe 685	Ile	Lys	Ile
Leu	Glu 690	Leu	Glu	Glu	Lys	Gln 695	Ile	Asn	Суз	Glu	Val 700	Thr	Asp	Asn	Ser
Gly 705	Val	Val	Gln	Leu	Asp 710	Суз	Ser	Ile	Gly	Tyr 715	Ile	Tyr	Val	Asp	His 720
Leu	Ser	Arg	Ile	Asp 725	Ile	Ser	Phe	Leu	Leu 730	Asp	Val	Ser	Ser	Leu 735	Ser
Arg	Ala	Glu	Glu 740	Asp	Leu	Ser	Ile	Thr 745	Val	His	Ala	Thr	Cys 750	Glu	Asn
Glu	Glu	Glu 755	Met	Asp	Asn	Leu	Lys 760	His	Ser	Arg	Val	Thr 765	Val	Ala	Ile
Pro	Leu 770	Lys	Tyr	Glu	Val	Lys 775	Leu	Thr	Val	His	Gly 780	Phe	Val	Asn	Pro
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820 825 830

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Thr Gly Glu Cys His Phe Glu Asn Tyr Gln Arg Val Cys Ala Leu Glu 850 855 860

Gln Gln Lys Ser Ala Met Gln Thr Leu Lys Gly Ile Val Arg Phe Leu 865 870 875 880

Ser Lys Thr Asp Lys Arg Leu Leu Tyr Cys Ile Lys Ala Asp Pro His 885 890 895

Cys Leu Asn Phe Leu Cys Asn Phe Gly Lys Met Glu Ser Gly Lys Glu 900 905 910

Ala Ser Val His Ile Gln Leu Glu Gly Arg Pro Ser Ile Leu Glu Met 915 920 925

Asp Glu Thr Ser Ala Leu Lys Phe Glu Ile Arg Ala Thr Gly Phe Pro 930 935 940

His Val Leu Leu Glu Gly Leu His His Gln Arg Pro Lys Arg Tyr Phe 965 970 975

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Lys Ser Cys Gly Glu Cys Ile Gln Ala Gly Pro Asn Cys Gly Trp Cys 35 40 45

Thr Asn Ser Thr Phe Leu Gln Glu Gly Met Pro Thr Ser Ala Arg Cys
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Glu Asn Pro Arg Gly Ser Lys Asp Ile Lys Lys Asn Lys Asn Val Thr 85 90 95

Asn Arg Ser Lys Gly Thr Ala Glu Lys Leu Lys Pro Glu Asp Ile His 100 105 110

Gln Ile Gln Pro Gln Gln Leu Val Leu Arg Leu Arg Ser Gly Glu Pro \$115\$ \$120\$ \$125\$

Gln Thr Phe Thr Leu Lys Phe Lys Arg Ala Glu Asp Tyr Pro Ile Asp 130 135 140

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Val	Thr	Glu	Glu 340	Phe	Gln	Pro	Val	Tyr 345	Lys	Glu	Leu	Lys	Asn 350	Leu	Ile
Pro								313							
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Gln	Lys Leu 370	355					360	Ser				365			
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Asn Lys Cys Pro Lys Lys Asp Ser Asp Ser Phe Lys Ile Arg Pro Leu

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Lys Lys Asp Thr Cys Thr Gln Glu Cys Ser Tyr Phe Asn Ile Thr Lys

665

670

660

 Val
 Glu
 Ser Arg Arg
 Arg Arg
 Lys
 Lys
 Leu Pro 680
 Gln
 Pro Val
 Gln
 Pro 685
 Arg Pro Val

 Ser
 His G75
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